



AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Previously presented) A machine-implemented method for sending packets,
2 comprising the steps of:
3 communicating, from an application to an operating system, a policy for manipulating
4 packets,
5 wherein the policy specifies at least one of (a) redirection needs of the application, (b)
6 replication needs of the application, (c) packet aggregating needs of the
7 application, and (d) packet splitting needs of the application; and
8 in response to receiving packets at the operating system, the operating system
9 modifying the packets based on the policy without intervention of the
10 application.

1 2. (Previously presented) The method of Claim 1, wherein the step of
2 communicating the policy comprises:
3 at the operating system, in response to receiving the policy from the
4 application, storing the policy in a data structure.

1 3. (Previously presented) The method of Claim 1, wherein the policy
2 indicates destinations to which messages should be redirected.

1 4. (Previously presented) The method of Claim 1, wherein:

2 the step of modifying the packets includes receiving a packet, replicating the packet
3 based on the policy to create a plurality of replicated packets for a plurality of
4 users interested in receiving the packet; and
5 the method further comprises the step of transmitting the replicated packets to the
6 interested users based on the policy.

1 5-6. (Cancelled).

1 7. (Previously presented) A machine-implemented method for sending messages,
2 comprising the steps of:
3 creating, by an application, an aggregate message from individual messages that are to
4 be sent using an operating system service;
5 transmitting the aggregate message from the application to an operating system with a
6 system call;
7 within the operating system, dividing the aggregate message back into individual
8 messages; and
9 transmitting the individual messages using the operating system service,
10 wherein at least one of the individual messages is sent to a different recipient than
11 another of the individual messages.

1 8. (Previously presented) The method of Claim 7, wherein the individual messages are
2 packets.

- 1 9. (Previously presented) The method of Claim 7, wherein the aggregate message
2 includes a policy.
- 1 10. (Previously presented) The method of Claim 9, wherein the policy indicates
2 destinations to which messages should be redirected.
- 1 11. (Previously presented) The method of Claim 9, wherein the policy includes video-to-
2 message information.
- 1 12. (Previously presented) The method of Claim 9, wherein the policy includes a time
2 stamp that is a range of time indicating when the individual messages should be
3 transmitted.
- 1 13. (Previously presented) The method of Claim 9, wherein the policy includes time
2 stamps for transmitting the individual messages according to the time stamps
3 associated with the individual messages.
- 1 14. (Previously presented) The method of Claim 13, wherein the time stamps are
2 sequence numbers.
- 1 15. (Previously presented) The method of Claim 13, wherein the time stamps are relative
2 virtual time delays with respect to the first message to be transmitted.

1 16. (Previously presented) A computer-readable medium carrying one or more sequences
2 of instructions for sending packets, wherein execution of the one or more sequences of
3 instructions by one or more processors causes the one or more processors to perform
4 the steps of:
5 communicating, from an application to an operating system, a policy for manipulating
6 packets,
7 wherein the policy specifies at least one of (a) redirection needs of the application, (b)
8 replication needs of the application, (c) packet aggregating needs of the
9 application, and (d) packet splitting needs of the application; and
10 in response to receiving packets at the operating system, the operating system
11 modifying the packets based on the policy without intervention of the
12 application.

1 17. (Previously presented) The computer-readable medium of Claim 16,
2 wherein the step of communicating the policy comprises:
3 at the operating system, in response to receiving the policy from the
4 application, storing the policy in a data structure.

1 18. (Previously presented) The computer-readable medium of Claim 16,
2 wherein the policy indicates destinations to which certain messages
3 should be redirected.

1 19. (Previously presented) The computer-readable medium of Claim 16, wherein:

the step of modifying the packets includes receiving a packet, replicating the packet based on the policy to create a plurality of replicated packets for a plurality of users interested in receiving the packet; and the method further comprises the step of transmitting the replicated packets to the interested users based on the policy.

20-21. (Cancelled).

22. (Previously presented) A computer-readable medium carrying one or more sequences of instructions for sending messages, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform the steps of:
creating, by an application, an aggregate message from individual messages that are to be sent using an operating system service;
transmitting the aggregate message from the application to an operating system with a system call;
within the operating system, dividing the aggregate message back into individual messages; and
transmitting the individual messages using the operating system service,
wherein at least one of the individual messages is sent to a different recipient than another of the individual messages.

1 23. (Previously presented) The computer-readable medium of Claim 22, wherein the
2 individual messages are packets.

1 24. (Previously presented) The computer-readable medium of Claim 22, wherein the
2 aggregate message includes a policy.

1 25. (Previously presented) The computer-readable medium of Claim 23, wherein the
2 policy indicates destinations to which messages should be redirected.

1 26. (Previously presented) The computer-readable medium of Claim 24, wherein the
2 policy includes video-to-message information.

1 27. (Previously presented) The computer-readable medium of Claim 24, wherein the
2 policy includes a time stamp that is a range of time indicating when the individual
3 messages should be transmitted.

1 28. (Previously presented) The computer-readable medium of Claim 24, wherein the
2 policy includes time stamps for transmitting the individual messages according to the
3 time stamps associated with the individual messages.

1 29. (Previously presented) The computer-readable medium of Claim 28, wherein the time
2 stamps are sequence numbers.

1 30. (Previously presented) The computer-readable medium of Claim 28, wherein the time
2 stamps are relative virtual time delays with respect to the first message to be
3 transmitted.

1 31. (Previously presented) The method of Claim 1, wherein the policy is a first policy,
2 wherein the packets are a first set of packets, and the method further comprises the
3 steps of:
4 communicating, from the application to the operating system, a second policy for
5 manipulating packets; and
6 at the operating system, modifying a second set of packets based on the second policy
7 while the operating system is still configured to modify the first set of packets
8 based on the first policy.

1 32. (Previously presented) The computer-readable medium of Claim 16, wherein the
2 policy is a first policy, wherein the packets are a first set of packets, and wherein
3 execution of the one or more sequences of instructions by the one or more processors
4 further causes the one or more processors to perform the steps of:
5 communicating, from the application to the operating system, a second policy for
6 manipulating packets; and
7 at the operating system, modifying a second set of packets based on the second policy
8 while the operating system is still configured to modify the first set of packets
9 based on the first policy.